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tethered (polymerase or motor) and fluorescent [Advanced Scholar Search](#)

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Molecular **motors**: single-molecule mechanics

R Simmons - *Current Biology*, 1996 - Elsevier

... The ternary complex — RNA **polymerase**, DNA and RNA transcript — was then **tethered** to a coverslip (in most ... on: (a,d) kinesin [9]; (b,e) myosin [13]; (c,f) RNA **polymerase** [16]. ... T Funatsu, H Higuchi and T Yanagida. Single-molecule analysis of the actomyosin **motor** using nano ...

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Dual-colour microscopy of single fluorophores bound to myosin interacting with fluorescently labelled actin using anti-Stokes fluorescence

K Saito, M Tokunaga, AH Iwane, T ... - *Journal of ...*, 1997 - Wiley Online Library

... K., Tokunaga, M. & Yanagida, T. (1997) Myosin subfragment-1 is fully equipped with factors essential for **motor** function. ... Yin, H., Landick, R. & Gelles, J. (1994) **Tethered** particle motion method for studying transcript elongation by a single RNA **polymerase** molecule. ...

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PA Takizawa, A Sil, JR Swedlow, I Herskowitz, RD Vale - *Nature*, 1997 - [valalab.ucsf.edu](#)

... Once at the distal pole, the RNA might be **tethered** to the cortex by interactions with ... is located seven amino acids N-terminal to the end of the conserved **motor** domain of ... A set of digests of the chimaera with appropriate restriction enzymes, as well as **polymerase** chain reactions ...

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[PDF] Unbinding force of a single **motor** molecule of muscle measured using optical tweezers

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T Nishizaka, H Miyata, H Yoshikawa, S Ishiwata, K ... - *Nature*, 1995 - [t2.phys.waseda.ac.jp](#)

... point over a range of more than 360° (which is analogous to a microtubule **tethered** by a ... be moved at a constant rate by controlling a movable mirror with dc servo-motors (optmike-e ... concepts to emerge from studies of eukaryotic gene expression is that RNA **polymerase** II promo ...

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[HTML] The *Saccharomyces cerevisiae* kinesin-related **motor** Kar3p acts at preanaphase spindle poles to limit the number and length of cytoplasmic microtubules

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W Saunders, D Hornack, V Lengyel, C ... - *The Journal of cell ...*, 1997 - [jcb.rupress.org](#)

... able to stimulate turnover at the plus ends of microtubules grown from **tethered** Tetrahymena pellicles ... WI) cut with EcoRI site and the overhangs filled with Klenow **polymerase** (pGD13). ... inhibited the spindle collapse resulting from loss of Cin8p and Kip1p **motor** function (Table III ...

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Single molecule spectroscopies and imaging techniques shed new light on the future of biophysics.

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JM Beechem - *Biophysical journal*, 1994 - [ncbi.nlm.nih.gov](#)

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Regulated underexpression of the FlhM protein of *Escherichia coli* and evidence for a location in the flagellar **motor** distinct from the MotA/MotB torque generators

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H Tang, DF Blair - *Journal of bacteriology*, 1995 - *Am Soc Microbiol*

... sbcBC 23 DFB190 flhM null strain This work DFB191 cheY in flhM null This work BL21-DE3 T7 RNA **polymerase** gene in ... **Motor** torque and rotation rate. Cells were washed into motility medium and **tethered** by their flagellar filaments in a fflow cell (2) as described previously (4 ...

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A complex of NuA and cytoplasmic dynein is essential for mitotic spindle assembly

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A Merdes, K Ramyar, JD Vechio, DW Cleveland - *Cell*, 1996 - Elsevier

... bifunctional complexes with cytoplasmic dynein and dynactin that can **tether** microtubules at ... Successive rescreening and **polymerase** chain reaction-rapid amplification of cDNA ends yielded a ... To test whether other, nondynein, microtubule-dependent **motors** were also part of ...

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M WASHIZU - *Nanofabrication and biosystems: integrating ...*, 1996 - [books.google.com](#)

... Masao Washizu a) Principle V cos (α) t-27L/3) V cos (O) t-Jl/3) k ilectrode optical **tethered** cell b ... Measurement of bacterial **motor** characteristics using electroration. ... If DNA is in contact with the sub- strate over its entire length, steric hindrance occurs, and the **polymerase** will not ...

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... In the main, these are **polymerase** chain reaction (PCR) methods. ... T.(1992) High-throughput